

1. In a device having one or more electronic program guide (EPG) loaders enabling the device to receive EPG data from one or more EPG sources, a method for interfacing the one or more EPG loaders with a database associated with the device, the method comprising the steps of:

calling a function of a writer module operating at the device that collects the EPG data from the EPG loaders and that stores the EPG data in the database; and executing the function by the writer module.

2. A method as in claim 1, wherein the function comprises AudioSubChannel having parameters comprising languageCode, isMainAudioService, isDolbyEncoded, and programType.

3. A method as in claim 1, wherein the function comprises
AudioSubChannelForScheduleEntry having parameters comprising scheduleDataID and
audioDataID.

4. A method as in claim 1, wherein the function comprises CategorizationSystems having parameters comprising categorizationSystemName and systemDataID.

5. A method as in claim 1, wherein the function comprises CategoryPair having parameters comprising systemDataID, categoryName, subCategoryName, and categorypairDataID

1 6. A method as in claim 1, wherein the function comprises CategoryForProgram
2 having parameters comprising programDataID and categoryPairDataID.

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4 7. A method as in claim 1, wherein the function comprises Channel having
5 parameters comprising serviceRecordID, channel, network, station, description,
6 channelType, startSeconds, and channelDataID.

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8 8. A method as in claim 1, wherein the function comprises ClearAll.

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10 9. A method as in claim 1, wherein the function comprises ClearChannels.

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12 10. A method as in claim 1, wherein the function comprises ClearPrograms.

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14 11. A method as in claim 1, wherein the function comprises
15 ClearScheduleEntries.

16

17 12. A method as in claim 1, wherein the function comprises
18 DeleteAudioSubChannel having parameter audioDataID.

19

20 13. A method as in claim 1, wherein the function comprises
21 DeleteCategorizationSystem having parameter systemDataID.

22

23 14. A method as in claim 1, wherein the function comprises DeleteCategoryPair
24 having parameters comprising systemDataID, categoryName, and subCategoryName.

1 15. A method as in claim 1, wherein the function comprises DeleteChannel
2 having parameters comprising channelObject and propertyName.

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4 16. A method as in claim 1, wherein the function comprises Delete
5 PropertyForProgram having parameters comprising programObject and propertyName.

6
7 17. A method as in claim 1, wherein the function comprises
8 DeletePropertyForScheduleEntry having parameters comprising scheduleEntryObject and
9 propertyName.

10
11 18. A method as in claim 1, wherein the function comprises
12 DeletePropertyForWeblink having parameters comprising weblinkObject and
13 propertyName.

14
15 19. A method as in claim 1, wherein the function comprises DeleteScheduleEntry
16 having parameter scheduleEntryObject.

17
18 20. A method as in claim 1, wherein the function comprises DeleteSharingDay
19 having parameter sharingDayDataID.

20
21 21. A method as in claim 1, wherein the function comprises
22 DeleteVideoSubChannel having parameter videoDataID.

1 22. A method as in claim 1, wherein the function comprises DeleteWeblink
2 having parameter weblinkObject.

3
4 23. A method as in claim 1, wherein the function comprises
5 EnableDuplicateChecking having parameter preventDuplicates.

6
7 24. A method as in claim 1, wherein the function comprises Program having
8 parameters comprising programTitle, programDescription, yearMade, seconds, and
9 programDataID.

10
11 25. A method as in claim 1, wherein the function comprises PropertyForChannel
12 having parameters comprising channelDataID, name, and value.
Cancel

13
14 26. A method as in claim 1, wherein the function comprises PropertyForProgram
15 having parameters comprising programDataID, name, and value.

16
17 27. A method as in claim 1, wherein the function comprises
18 PropertyForScheduleEntry having parameters comprising scheduleEntryDataID, name, and
19 value.

20
21 28. A method as in claim 1, wherein the function comprises PropertyForWeblink
22 having parameters comprising weblinkDataID, name, and value.

1 29. A method as in claim 1, wherein the function comprises
2 PurchaseStringForScheduleEntry having parameters comprising scheduleEntryDataID and
3 purchaseString.

4

5 30. A method as in claim 1, wherein the function comprises RatingForProgram
6 having parameters comprising programDataID and ratingCode.

7

8 31. A method as in claim 1, wherein the function comprises
9 RemoveOldScheduleEntriesAndPrograms having parameter beforeThisTime.

10

11 32. A method as in claim 1, wherein the function comprises ScheduleEntry
12 having parameters comprising eventID, channelDataID, startTime, endTime, cc, rerun,
13 videoDataID, audioDataID, and scheduleEntryDataID.

14

15 33. A method as in claim 1, wherein the function comprises SharingDay having
16 parameters comprising startDay, startTime, endDay, endTime, and pSharingDataID.

17

18 34. A method as in claim 1, wherein the function comprises
19 SharingDayForChannel having parameters comprising channelDataID, and sharingDataID.

20

21 35. A method as in claim 1, wherein the function comprises UpdateComplete.

1 36. A method as in claim 1, wherein the function comprises VideoSubChannel
2 having parameters comprising language, aspectRatio, videoSourceHeight,
3 videoSourceWidth, squarePixel, componentType, streamed, and videoDataID.

4

5 37. A method as in claim 1, wherein the function comprises
6 VideoSubChannelForScheduleEntry having parameters comprising scheduleEntryDataID,
7 and videoDataID.

8

9 38. A method as in claim 1, wherein the function comprises Weblink having
10 parameters comprising url, description, startTime, endTime, and pweblinkDataID.

11

12 39. A method as in claim 1, wherein the function comprises WeblinkForChannel
13 having parameters comprising channelDataID, and weblinkDataID.

14

15 40. A method as in claim 1, wherein the function comprises WeblinkForProgram
16 having parameters comprising programDataID, and weblinkDataID.

17

18 41. A method as in claim 1, wherein the function comprises
19 WeblinkForScheduleEntry having parameters comprising scheduleEntryDataID, and
20 weblinkDataID.

21

22 42. A computer-readable medium having computer-executable instructions for
23 performing the steps recited in claim 1.

1 43. In a device having electronic program guide (EPG) data from one or more
2 EPG data sources stored in a database associated with the device, a method for interfacing
3 the EPG data stored in the database with one or more applications operating at the device,
4 the method comprising the steps of:

5 calling a function of a control module operating at the device that accesses
6 the database to retrieve the EPG data and transmits the EPG data to the one or more
7 applications; and
8 executing the function by the control module.

9
10 44. A method as in claim 43, wherein the function comprises
11 CategorizationSystems having parameter psystems.

12
13 45. A method as in claim 43, wherein the function comprises DataEndTime
14 having parameter endTime.

15
16 46. A method as in claim 43, wherein the function comprises
17 HighestDataStartTime having parameter startTime.

18
19 47. A method as in claim 43, wherein the function comprises
20 IsAnyDataAvailable having parameter dataAvailable.

21
22 48. A method as in claim 43, wherein the function comprises
23 IsChannelDataAvailable having parameter channelDataAvailable.

1 49. A method as in claim 43, wherein the function comprises RatingSystems
2 having parameter systems.

3
4 50. A method as in claim 43, wherein the function comprises AvailableChannels
5 having parameter channels.

6
7 51. A method as in claim 43, wherein the function comprises
8 CancelCategoryEventRequest.

9
10 52. A method as in claim 43, wherein the function comprises
11 CancelChannelEventRequest.

12
13 53. A method as in claim 43, wherein the function comprises
14 CancelRangeEventRequest.

15
16 54. A method as in claim 43, wherein the function comprises Categories having
17 parameters comprising categorizationSystemName and categories.

18
19 55. A method as in claim 43, wherein the function comprises
20 ChannelsForProviderNetworkName having parameters comprising searchString,
21 substringMatch and channels.

1 56. A method as in claim 43, wherein the function comprises
2 ChannelsForNumber having parameters comprising serviceSpace, channel, time and
3 channels.

4 57. A method as in claim 43, wherein the function comprises
5 ChannelsForProviderName having parameters comprising searchString, substringMatch,
6 and channels.
7

8 58. A method as in claim 43, wherein the function comprises
9 IsScheduleDataAvailable having parameters comprising startTime, endTime and
10 scheduleDataAvailable.
11

12 59. A method as in claim 43, wherein the function comprises Program having
13 parameters comprising serviceSpace, channel, time and program.
14

15 60. A method as in claim 43, wherein the function comprises ProgramEndTime
16 having parameters comprising serviceSpace, channel, time, and endTime.
17

18 61. A method as in claim 43, wherein the function comprises ProgramLength
19 having parameters comprising serviceSpace, channel, time, and seconds.
20

21 62. A method as in claim 43, wherein the function comprises ProgramRating
22 having parameters comprising serviceSpace, channel, time, ratingSystem, and rating.
23

1 63. A method as in claim 43, wherein the function comprises ProgramStartTime
2 having parameters comprising serviceSpace, channel, time, and startTime.

3
4 64. A method as in claim 43, wherein the function comprises ProgramTitle
5 having parameters comprising serviceSpace, channel, time, and title.

6
7 65. A method as in claim 43, wherein the function comprises
8 RequestCategoryUpdateEvent.

9
10 66. A method as in claim 43, wherein the function comprises
11 RequestChannelUpdateEvent

12
13 67. A method as in claim 43, wherein the function comprises
14 RequestRangeUpdateEvent having parameters comprising startTime, and endTime.

15
16 68. A method as in claim 43, wherein the function comprises ScheduleEntries
17 having parameters comprising serviceSpace, channel, startTime, endTime, and
18 scheduleEntries.

19
20 69. A method as in claim 43, wherein the function comprises
21 ScheduleEntriesForCategories having parameters comprising categorizationSystem,
22 categories, startTime, endTime, maxHits, and scheduleEntries.

1 70. A method as in claim 43, wherein the function comprises
2 ScheduleEntriesForProgramProperty having parameters comprising name, value, startTime,
3 endTime, maxHits, and scheduleEntries.

4
5 71. A method as in claim 43, wherein the function comprises
6 ScheduleEntriesForProperty having parameters comprising name, value, startTime,
7 endTime, maxHits, and scheduleEntries.

8
9 72. A method as in claim 43, wherein the function comprises
10 ScheduleEntriesForStrings having parameters comprising searchString, substringMatch,
11 findTitle, findDescription, startTime, endTime, maxHits, and scheduleEntries.

12
13 73. A method as in claim 43, wherein the function comprises ScheduleEntry
14 having parameters comprising serviceSpace, channel, time, and scheduleEntry.

15
16 74. A method as in claim 43, wherein the function comprises SubCategories
17 having parameters comprising categorizationSystemName, categoryIndex, and
18 subCategories.

19
20 75. A method as in claim 43, wherein the function comprises OnCategoryUpdate.

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22 76. A method as in claim 43, wherein the function comprises OnChannelUpdate.

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24 77. A method as in claim 43, wherein the function comprises OnRangeUpdate.

(Signature)
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78. A computer readable medium having computer executable instructions for performing the steps recited in claim 43.